

PATENT COOPERATION TREATY

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference 4208-4047PC	FOR FURTHER ACTION	for Notification of Transmittal of International Search Report (Form PCT/ISA/220) as well as, where applicable, item 2 below
International application No. PCT/IS01/0007	International filing date (day-month/year) 11 March 2003 (11.03.2003)	(Earliest) Priority Date (day-month/year) 26 March 2002 (26.03.2002)
Applicant NOKIA CORPORATION		

This international search report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This international search report consists of a total of 3 sheets.

☒ It is also accompanied by a copy of each prior art document cited in this report.

1. **Tasks of the Report**

a. With regard to the **language**, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.

☐ the international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 13.1(b)).

b. With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application, the international search was carried out on the basis of the sequence listing:

☐ contained in the international application in written form.

☐ filed together with the international application in computer readable form.

☐ furnished subsequently to this Authority in written form.

☐ furnished subsequently to this Authority in computer readable form.

☐ the statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.

☐ the statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished.

2. ☐ Certain claims were found **unsearchable** (See Box 3).

3. ☐ **Unity of invention is lacking** (See Box 3).

4. With regard to the **title**.

☒ the text is approved as submitted by the applicant.

☐ the text has been established by this Authority as read as follows: DUE November 17, 2003 (Com to A)

5. With regard to the **abstract**.

☒ the text is approved as submitted by the applicant.

☐ the text has been established, according to Rule 28.1(b), by this Authority as it appears in Box III. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

6. The figure of the **drawings** to be published with the abstract is Figure No. 1

☐ as suggested by the applicant.

☐ because the applicant failed to suggest a figure.

☒ because this figure better characterizes the invention.

☐ None of the figures

Form PCT/ISA/210 (first sheet) (July 1998)

INTERNATIONAL SEARCH REPORT

International application No.

PCT/IB93/00697

A. CLASSIFICATION OF SUBJECT MATTER IPC(7) : H04B 7/00 US CL. : 455-41.2 According to International Patent Classification (IPC) or to both national classification and IPC		
B. PRIORS SEARCHED Minimum documentation searched (classification system followed by classification symbols) U.S. : 425/41.2, 43.1, 41.3, 517, 518, 519; 340/10.1, 10.4, 10.32 Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) EAST (SRS) key terms: RF-ID, bluetooth, interrogation		
C. DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X, F Y, F	US 2003/009647 A1 (TAKATORI et al) 09 January 2003 (09.01.2003) See Figures 1-7, Paragraphs 0058-0139	1-4, 7-13, 23-29, 32-34, 37-39, 43-45, 48, 51-62, 64-67, 68, 71
Y, F	US 6,456,009 B1 (LAUPER et al) 24 September 2002 (24.09.2002) see column 3 lines 22-34; column 4 lines 39-51	5, 6, 14, 21, 25, 26, 34, 44, 45, 50, 62, 66, 67, 69, 70
A	US 6,282,407, B1 (VEGA et al) 28 August 2001 (28.08.2001), ALL	1-71
A	WO 91/46038 A1 (RUM et al) 21 June 1991 (21.06.1991), ALL	1-71
A	US 6,184,313 A (WOCH, JR et al) 15 August 2000 (15.08.2000), ALL	1-71
<input type="checkbox"/> Further documents are listed in the continuation of Box C. <input type="checkbox"/> See patent family annex.		
* Special categories of cited documents: "X" document defining the general state of the art which is not considered to be of particular relevance "Y" earlier application or patent published on or after the international filing date "Z" document which may have priority (or priority claim) or which is cited to establish the publication date of another document or other special source (as specified) "O" document relating to an oral disclosure, lecture, exhibition or other means "P" document published prior to the international filing date but later than the priority date claimed	"A" document published after the international filing date or priority date and not in conflict with the application for which cited as prior art in principle or theory underlying the invention "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is considered with one or more other such documents, each contribution being relevant to a given aspect of the art "O" document member of the same patent family	
Date of the actual completion of the international search 29 September 2003 (29.09.2003) Name and mailing address of the ISA/IS Mail Stop PCT, Attn: ISA/IS Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22315-1450 Facsimile No. (703) 295-3236		Date of mailing of the international search report 17 OCT 2003 Authorized officer Lewis G. West Telephone No. 703-295-7095 <i>Buigenia Lopez</i>

Form PCT/ISA/210 (second sheet) (July 1998)

INTERNATIONAL SEARCH REPORT

International application No.

PCT/US03/00497

Box III TEXT OF THE ABSTRACT (Continuation of Item 5 of the first sheet)

The technical features mentioned in the abstract do not include a reference sign between parentheses (PCT Rule 2.1(d)).

NEW ABSTRACT

An RF-ID base wireless terminal (102) has shortened session set-up and user identification time for conducting transactions with interactive service applications (118). The wireless terminal (102) includes a terminal identification number and a user identification number as an RF-ID tag (106). An RF-ID reader (108) transmits an RF field for detecting the RF-ID tag (106) in the terminal (102) and provides an output signal when the terminal is within the reader field. The output signal establishes a connectionless communication to an access point (104) or terminal which initiates a wireless paging operation, in lieu of conducting a terminal discovery process, based upon the content of the RF-ID tag (106). The terminal (102) initiates a wireless session between the terminal (102) and the access point (104) or terminal for conducting transactions with a service application (118) linked to the access point or terminal.